

08-15-01

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ATTORNEY DOCKET NO. 01173.0003U2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

BOX PATENT APPLICATION  
 Assistant Commissioner for Patents  
 Washington, D.C. 20231

NEEDLE & ROSENBERG, P.C.  
 Suite 1200, The Candler Building  
 127 Peachtree Street, N.E.  
 Atlanta, Georgia 30303-1811

August 13, 2001

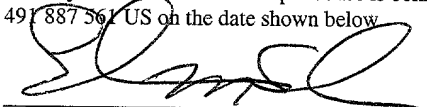
Dear Sir:

Transmitted herewith for filing are the specification and claims of the utility patent application of:

Inventor(s): Brian T. Chait, Darin R. Latimer, Paul M. Lizardi, Eric R. Kershner,  
 Jon S. Morrow, Matthew E. Roth, Martin J. Mattessich, and  
 Kevin J. McConnell

Title of Invention: ULTRA-SENSITIVE DETECTION SYSTEMS

Also enclosed are:

|    |  |   |  |
|----|--|---|--|
| 10 | SHEETS OF  | <input checked="" type="checkbox"/> FORMAL DRAWINGS | <input type="checkbox"/> INFORMAL DRAWINGS |
|    | OATH OR DECLARATION OF APPLICANT(S)  |   |  |
|    | A POWER OF ATTORNEY  |   |  |
|    | A PRELIMINARY AMENDMENT  |   |  |
| X  | APPLICANT CLAIMS SMALL ENTITY STATUS. SEE 37 C.F.R. § 1.27.  |   |  |
|    | A CHECK IN THE AMOUNT OF TO COVER THE FILING FEE.  |   |  |
|    | THE COMMISSIONER IS HEREBY AUTHORIZED TO CHARGE ANY ADDITIONAL FEES WHICH MAY BE REQUIRED IN CONNECTION WITH THE FOLLOWING OR CREDIT ANY OVERPAYMENT TO ACCOUNT NO. 14-0629.   |   |  |
|    | A CERTIFIED COPY OF PREVIOUSLY FILED FOREIGN APPLICATION NO. FILED IN ON .   |   |  |
| X  | I hereby certify that this correspondence is being placed in the United States Mail as Express Mail No. EL 491 887 561 US on the date shown below<br><br>Everardo A. McFarlane <span style="float: right;">8-13-01</span><br>DATE |   |  |
| X  | A computer readable form of the sequence listing in compliance with 37 C.F.R. § 1.821(e). The content of the computer readable form of the sequence listing and the sequence listing in the specification of the application as filed are the same.  |   |  |
| X  | OTHER (IDENTIFY) Authorization to Treat Reply Requiring Extension of Time as Incorporating Petition for Extension of Time and Return Postcard  |   |  |

11046 U.S. PTO

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JC849 U.S. PTO

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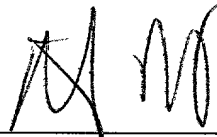
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The filing fee is calculated as follows:

**CLAIMS AS FILED, LESS ANY CLAIMS CANCELLED BY AMENDMENT**

|  |             |
|--|-------------|
| TOTAL CLAIMS = $521 - 20 = 501$ x \$18.00 =    | \$10,206.00 |
| INDEPENDENT CLAIMS = $66 - 3 = 63$ x \$80.00 = | 5,040.00    |
| BASIC FEE =                                    | \$710.00    |
| TOTAL OF ABOVE CALCULATIONS =                  | \$15,956.00 |
| REDUCTION BY 1/2 FOR SMALL ENTITY =            | \$7,978.00  |
| TOTAL FILING FEE =                             | \$7,978.00  |

Respectfully submitted,



Robert A. Hodges  
Registration No. 41,074

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